CLAIMS

What is claimed is:

- 1. A hand-held music player for use in conjunction with radios, comprising:
 - a casing;
 - a receiver socket on said casing through which digital audio data is received;
 - a digital-to-analog audio converter housed within said casing;
- a first transfer socket on said casing through which a song is transferred to a radio transmitter;
- a second transfer socket on said casing through which meta-data for the song is transferred to the radio transmitter; and
 - a dial on said casing for selecting a song for playback.
- 2. The hand-held music player of claim 1 wherein said receiver socket also receives control commands for the music player.
- 3. The hand-held music player of claim 1 further comprising a stereo mini-jack connector for inserting a headphone.
- 4. The hand-held music player of claim 1 further comprising an LED display.
- 5. The hand-held music player of claim 1 further comprising an LCD display.
- 6. The hand-held music player of claim 1 wherein said receiver socket comprises a USB socket.

- 7. The hand-held music player of claim 6 wherein said USB socket is a USB 1.1 socket.
- 8. The hand-held music player of claim 6 wherein said USB socket is a USB 2.0 socket.
- The hand-held music player of claim 6 wherein said USB socket is a USB 2.0
 OTG socket.
- 10. The hand-held music player of claim 1 wherein the radio transmitter is an FM or an RF transmitter.
- 11. The hand-held music player of claim 10 wherein the radio transmitter further comprises a radio data system (RDS) transmitter.
- 12. The hand-held music player of claim 11 wherein the meta-data for the song is transferred through said second transfer socket, for transmission by the radio transmitter as RDS data.
- 13. The hand-held music player of claim 12 wherein the meta-data includes the name of the song currently being transmitted.
- 14. The hand-held music player of claim 11 wherein information about the hand-held digital music player is transferred through said second transfer socket to the radio transmitter, for transmission by the radio transmitter as RDS data.

- 15. The hand-held music player of claim 14 wherein the information about the hand-held digital music player includes an identification number.
- 16. The hand-held music player of claim 10 further comprising a frequency selector, for selecting a broadcast frequency.
- 17. The hand-held music player of claim 16 wherein said frequency selector comprises a tuner for scanning radio frequencies.
- A hand-held music player for use in conjunction with radios, comprising:
 a casing;
 - a receiver socket on said casing through which digital audio data is received;
 - a digital-to-analog audio converter housed within said casing;
 - a radio transmitter for transmitting a song;
 - an RDS transmitter for transmitting meta-data for the song; and
 - a dial on said casing for selecting a song for playback.
- 19. A hand-held video player for use in conjunction with televisions, comprising:a casing;
 - a receiver socket on said casing through which digital video data is received;
 - a digital-to-analog video converter housed within said casing;
- a first transfer socket on said casing through which a video is transferred to a television transmitter;
- a second transfer socket on said casing through which meta-data for the video is transferred to the television transmitter; and

- a dial on said casing for selecting a video for playback.
- 20. A hand-held video player for use in conjunction with televisions, comprising: a casing;
 - a receiver socket on said casing through which digital video data is received;
 - a digital-to-analog video converter housed within said casing;
- a television transmitter for transmitting a video and meta-data for the video;

and

- a dial on said casing for selecting a video for playback.
- 21. A hand-held container for audio with associated meta-data, comprising: a casing;
- a memory housed within said casing storing digital audio with associated meta-data;
- a digital-to-analog audio converter housed within said casing; and
 a transfer socket on said casing through which a song and meta-data
 associated therewith is transferred to a radio transmitter.
- 22. The hand-held container of claim 21 wherein the radio transmitter comprises an FM or an RF transmitter, the FM or RF transmitter comprising a radio data system (RDS) transmitter, and wherein the RDS transmitter transmits the meta-data associated with a song concurrently transmitted by the FM or RF transmitter.
- 23. The hand-held container of claim 21 wherein the meta-data includes data about a song currently being transferred.

- 24. The hand-held container of claim 22 wherein the meta-data includes data about the hand-held container.
- 25. The hand-held digital container of claim 21 further comprising a frequency selector, for selecting a broadcast frequency.
- 26. The hand-held digital container of claim 25 wherein said frequency selector comprises a tuner for scanning radio frequencies.
- 27. A hand-held container for video with associated meta-data, comprising: a casing;
- a memory housed within said casing storing digital video with associated meta-data;
- a digital-to-analog video converter housed within said casing; and a transfer socket on said casing through which a video and meta-data associated therewith is transferred to a television.
- 28. A digital music library builder comprising:
 - a casing;
 - a receiver socket on said casing through which analog audio is received;
- an analog-to-digital converter housed within said casing for converting analog
- audio into digital audio;
- a meta-data identifier housed within said casing for identifying meta-data for a song; and

a database manager housed within said casing for associating the identified meta-data with the song, within a digital music library.

- 29. The digital music library builder of claim 28 wherein said meta-data identifier matches the song within a database of song meta-data.
- 30. The digital music library builder of claim 29 wherein said meta-data identifier uses a digital fingerprint of the song to key into the database of song meta-data.
- 31. The digital music library builder of claim 28 further comprising a song database builder for building a database of song meta-data indexed by digital fingerprints of songs.
- 32. The digital music library builder of claim 28 wherein said meta-data identifier accepts manually entered input.
- 33. The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from voice input.
- 34. The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from video input.
- 35. The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from at least one Internet web page.

- 36. The digital music library builder of claim 28 wherein said meta-data identifier extracts meta-data from an electronic music guide.
- 37. A method for transferring audio with associated meta-data, comprising: converting digital audio to analog audio; and transferring an analog song and meta-data associated therewith to a radio transmitter.
- 38. The method of claim 37 wherein the radio transmitter is an FM or an RF transmitter, the method further comprising transferring the meta-data as radio data system (RDS) data.
- 39. The method of claim 37 wherein the meta-data includes data about a song currently being transferred.
- 40. The method of claim 37 further comprising selecting a broadcast frequency.
- 41. The method of claim 40 wherein said selecting further comprises scanning radio frequencies.
- A method for building a digital music library builder comprising:
 receiving analog audio;
 converting the analog audio to digital audio;
 identifying meta-data for a song; and

associating the identified meta-data with the song, within a digital music library.

- 43. The method of claim 42 wherein said identifying matches the song within a database of song meta-data.
- 44. The method of claim 43 wherein said identifying uses a digital fingerprint of the song to key into the database of song meta-data.
- 45. The method of claim 42 further comprising building a database of song metadata indexed by digital fingerprints of songs.
- 46. The method of claim 42 wherein said identifying uses manually entered input.
- 47. The method of claim 42 wherein said identifying extracts meta-data from voice input.
- 48. The method of claim 42 wherein said identifying extracts meta-data from video input.
- 49. The method of claim 42 wherein said identifying extracts meta-data from at least one Internet web page.
- 50. The method of claim 42 wherein said identifying extracts meta-data from an electronic music guide.

51. A computer-readable storage medium storing program code for causing a device to perform the steps of:

converting digital audio to analog audio; and

transmitting an analog song and meta-data associated therewith to a radio transmitter.

52. A computer-readable storage medium storing program code for causing a device to perform the steps of:

receiving analog audio;

converting the analog audio to digital audio;

identifying meta-data for a song; and

associating the identified meta-data with the song, within a digital music library.

53. A device for transferring audio to a radio transmitter, comprising:

a mini-jack through which an analog song is transferred to an FM radio transmitter, for broadcast at a specific FM frequency; and

a USB socket through which digital meta-data for the song is transferred to a radio data system (RDS), which is a sub-carrier of the specific FM frequency.

54. A method for transferring audio to a radio transmitter, comprising:

transferring an analog song to an FM radio transmitter, for broadcast at a specific FM frequency; and

transferring digital meta-data for the song to a radio data system (RDS), which is a sub-carrier of the specific FM frequency.

55. A computer-readable storage medium storing program code for causing a device to perform the steps of:

transferring an analog song to an FM radio transmitter, for broadcast at a specific FM frequency; and

transferring digital meta-data for the song to a radio data system (RDS), which is a sub-carrier of the specific FM frequency.